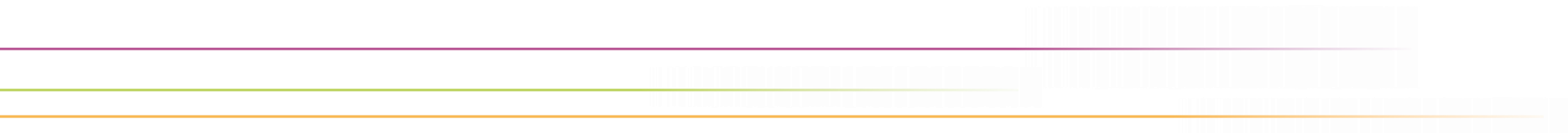


deutsches forschungsnetz

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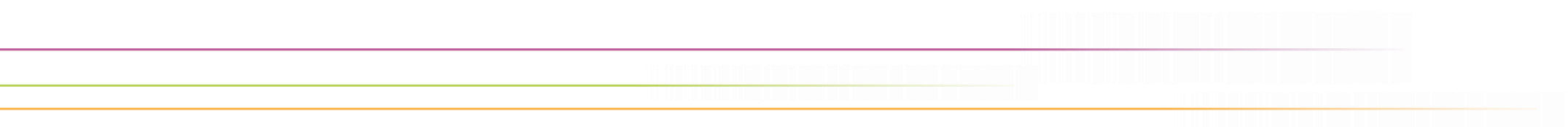




DFN edu-ID (Update)

eduGAIN and REFEDS Town Hall 2023 | October, 11th, 2023

Wolfgang Pempe (pempe@dfn.de)



The story so far

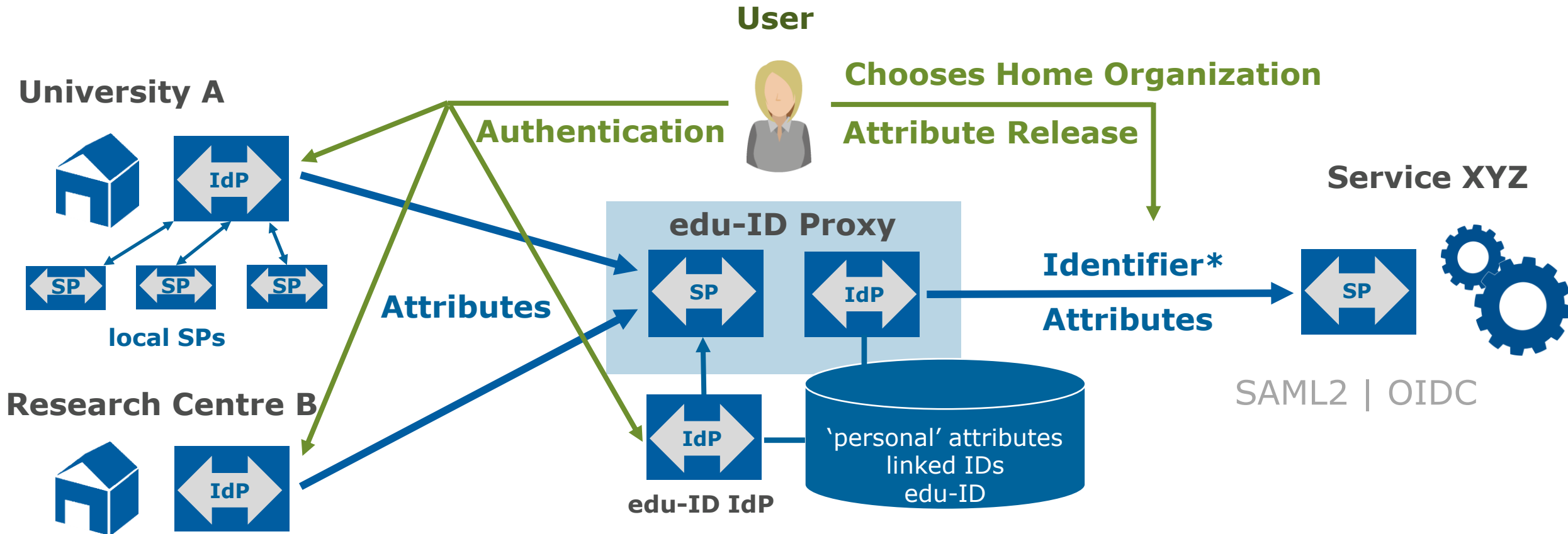
- ▶ Concept of SWITCH edu-ID also interesting for the German R&E community
- ▶ Since March 2019: open working group (research communities, universities, libraries, commercial service providers, DFN-CERT, SWITCH)
- ▶ Use case-driven development of DFN edu-ID concept
 - ▶ Requirements regarding attributes, assurance, technical aspects
- ▶ Working Group published a [technical concept](#) and a [whitepaper](#) in 2022
- ▶ Based on the technical concept, a proof of concept implementation was developed at DFN-CERT
- ▶ <https://doku.tid.dfn.de/de:aai:eduid:start>

Basic features and requirements

- ▶ Lifelong, user-centric identity
- ▶ Uninterrupted access to services/credentials/resources
- ▶ Portability of user data, account linking (attributes, identifiers like ORCID)
- ▶ Better support for VO Management of research projects and infrastructures (user mobility, rights, roles, group memberships)
- ▶ IdP for Guest Users / Citizen Scientists
- ▶ edu-ID System as a proxy
 - ▶ Home IdPs as authentication source, their attributes are passed through
 - ▶ Only the core attributes provided by the users are stored

edu-ID System as Proxy

For 'homeless' users, the edu-ID IdP is the only authentication source



* derived from edu-ID

Current status

- ▶ First library use cases with Staatsbibliothek zu Berlin
 - ▶ Validation of technical concept
 - ▶ User Experience, test persons from target groups
 - ▶ Develop FAQs + documentation for the different user groups
- ▶ TODO:
 - ▶ Identity vetting based on eIDAS-compliant eGov IDs --> German [bundID](#)
 - ▶ High LoAs for 'homeless' users, support for onboarding scenarios (reliable identities)
 - ▶ Policies, contracts
 - ▶ Data protection legal opinion
 - ▶ Planning the Pilot Phase

Cooperations



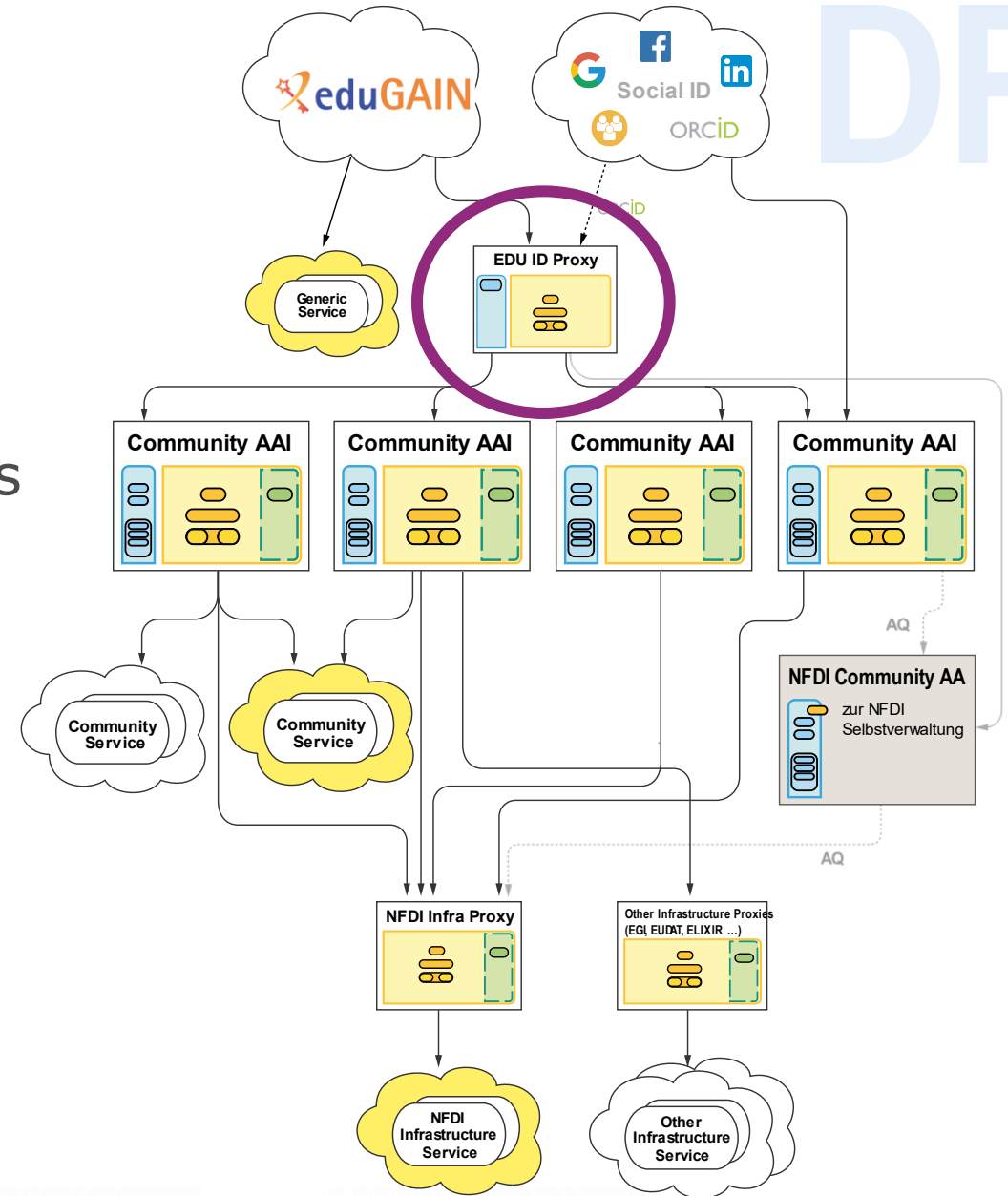
- ▶ Due to its proxy-based architecture, the DFN edu-ID System can also be used as a bridging element to other trust frameworks
 - ▶ German school/K-12 federation [VIDIS](#) (under development):
Enable student teachers from DFN-AAI to access certain e-learning platforms
 - ▶ Digital Education Networking Infrastructure (a.k.a. National Education Platform), <https://bildungsraum.de>, developed by the Federal Ministry of Education and Research:
Support for university education and life-long learning use cases

NFDI-AAI

NFDI:

National Research Data Infrastructure

- ▶ Central IdP for Homeless/Guest users
- ▶ Permanent, unchangeable digital identity via subject-id derived from edu-ID
- ▶ Account linking, switchboard for identifies from Home Organisations and/or ORCID



Thanks! Questions? Comments?

DFN

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